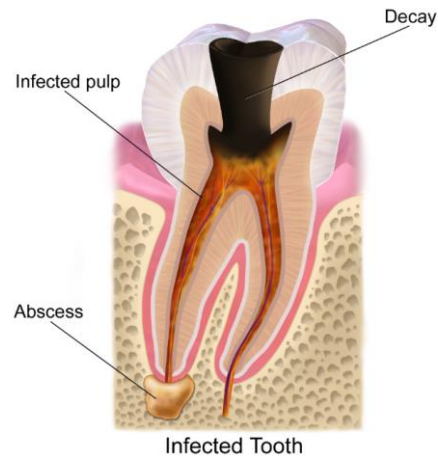


Tooth Decay



What is tooth decay?

What causes tooth decay?

Lots of bacteria live in our mouths. Any sugar that is left in your mouth after eating food is eaten by the bacteria. The bacteria form a white sticky slime over your teeth called plaque. The plaque contains acid which rots your teeth.

Today you will investigate the effect of liquids on our teeth.

We will use eggs as eggshells are a lot like enamel.

You will need:

6 hardboiled eggs

6 containers.

6 different liquids (examples of liquids: Coca-Cola, fresh orange juice, water, vinegar, milk and tea).

Place each hard-boiled egg into a container and pour a different liquid over each egg. You must place the same amount of liquid into each container to make it a fair test.

Leave the eggs for 3 days.

What egg will have the most decay?

My prediction:

I predict that _____ liquid will leave the most decay because _____.

The experiment should have shown some brown stain marks on the eggs. The liquids with the most sugar should have more brown stains (decay). This shows what these liquids can do to your teeth if you do not brush them correctly.

If you want, carry out the same experiment again and coat the eggs in toothpaste before placing them in the liquid.

If you do not have the equipment to carry out this test please make a prediction in your books and watch the link below.

<https://www.youtube.com/watch?v=rYQ7ZIG7wQk>